

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							DATE February 2000		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605854A Pollution Prevention					
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	9427	0	0	0	0	0	0	0	0
M0PP Pollution Prevention - AMC Test Ranges	1203	0	0	0	0	0	0	0	0
M1PP Pollution Prevention - AMC Major Subordinate Commands/Laboratories	148	0	0	0	0	0	0	0	0
M5PP Pollution Prevention - USASMDC	1170	0	0	0	0	0	0	0	0
M8PP Pollution Prevention - Acquisition Pollution Prevention	6906	0	0	0	0	0	0	0	0

A. Mission Description and Budget Item Justification: This program funded the non-research portion of the Army's RDTE funded environmental pollution prevention program. The program also funded test and evaluation pollution prevention efforts addressing environmental compliance and mission readiness issues affecting Army weapon systems; supporting industrial facilities; and RDTE funded installations, laboratories and test ranges. Pollution prevention was any action designed to reduce or eliminate (rather than control or treat), through source reduction actions, the procurement and use of hazardous materials and the generation of hazardous waste; more efficient use of natural resources; recycling; and/or reduced emissions of toxins and other waste to the environment. Acquisition pollution prevention addressed the adverse impact of hazardous materials and hazardous waste on the operational readiness of Army weapon systems and facilities. Issues included prove-out/engineering of alternatives to (1) ozone-depleting chemicals and (2) hazardous and toxic chemicals and materials used in weapon system fire protection, cooling and refrigeration applications, manufacturing and maintenance processes and specialized test practices throughout the weapon system life cycle. These activities account for approximately 90 percent of the hazardous waste generated by the U.S. Army. This program included the review and revision of standardized technical documentation containing design, procurement and maintenance requirements, and procedures supporting materiel procurement such as the Joint Group for Acquisition Pollution Prevention. Projects under this program met Army definitions: Class O - Projects needed to cover essential administrative, personnel, and other costs required to manage environmental activities and monitor environmental condition associated with compliance; Class I - support compliance with legally binding agreements or judgments under applicable federal, state, local or host nation environmental laws; Class II - projects required to comply with established standard, and deadline for compliance in the future. Class I and II projects complied with the Montreal Protocol, the Clean Air Act, the Pollution Prevention Act, the Emergency Planning and Right-to-Know Act, and Executive Order 12856 (and others). In FY2000, Pollution Prevention was transferred to the Operations and Maintenance, Army (OMA) appropriation.

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BUDGET ACTIVITY

6 - Management and Support

PE NUMBER AND TITLE

0605854A Pollution Prevention

B. Program Change Summary	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (<u>FY 2000/2001 PB</u>)	10694	0	0
Appropriated Value	10694		
Adjustments to Appropriated Value			
a. Congressional General Reductions	-70		
b. SBIR/STTR	-282		
c. Omnibus or Other Above Threshold Reductions			
d. Below Threshold Reprogramming	-873		
e. Rescissions	-42		
Adjustments to Budget Years Since <u>FY 2000/2001 PB</u>			
Current Budget Submit (FY 2001 PB)	9427	0	0

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BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605854A Pollution Prevention				PROJECT MOPP	
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
MOPP Pollution Prevention - AMC Test Ranges	1203	0	0	0	0	0	0	0	0
<p><u>Mission Description and Justification:</u> Resources in this project ensured an adequate level of funding for pollution prevention requirements at Yuma Proving Ground (YPG), AZ; Garrison Aberdeen Proving Ground (GAPG), MD; Dugway Proving Ground (DPG), UT; and White Sands Missile Range (WSMR), NM. These operations were critical to the infrastructure and execution of the Army testing mission.</p> <p>FY 1999 Accomplishments:</p> <ul style="list-style-type: none"> • 1203 Funded Class O, Class I and Class II pollution prevention programs and projects. Programs such as reporting of Toxic Release Inventories, solid and hazardous waste reduction programs, implementation of storm water pollution prevention plans, purchase of spill response supplies and equipment, etc. Also fund Emergency Planning and Community Right-to-Know Act (EPCRA) compliance preventive projects. Include projects such as Chlorine Replacement – Water treatment and Closed Loop Washrack at GAPG; Implementation of Pollution Prevention Opportunities at DPG; Yard Waste and Tire Shredder at WSMR; and Executive Order 12856 Implementing Strategy at YPG. <p>Total 1203</p> <p>FY 2000 Planned Program: Project funded in OMA.</p> <p>FY 2001 Planned Program: Project funded in OMA.</p>									
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BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605854A Pollution Prevention				PROJECT M1PP	
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M1PP Pollution Prevention - AMC Major Subordinate Commands/Laboratories	148	0	0	0	0	0	0	0	0
<p><u>Mission Description and Justification:</u> Resources in this project ensured an adequate level of funding for pollution prevention requirements at Army Research Laboratory (ARL), Adelphi, MD; Armament Research, Development and Engineering Center (ARDEC), Picatinny Arsenal, Dover, NJ; Soldier and Biological Chemical Command (SBCCOM), Natick, MA; and Army Research Laboratory Materials Technology Directorate (ARLMTD), APG, MD.</p> <p>FY 1999 Accomplishments:</p> <ul style="list-style-type: none"> • 148 Funded Class I and Class II pollution prevention programs such as waste solvent replacement programs, purchase of alternate fuel vehicles, construction of sound-absorbing barriers, implementation of storm water pollution prevention plans, purchase of spill response equipment, etc. <p>Total 148</p> <p>FY 2000 Planned Program: Project funded in OMA.</p> <p>FY 2001 Planned Program: Project funded in OMA.</p>									
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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 2000	
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605854A Pollution Prevention				PROJECT M5PP	
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M5PP Pollution Prevention - USASMDC	1170	0	0	0	0	0	0	0	0
<p><u>Mission Description and Justification:</u> Resources in this project ensured an adequate level of funding for pollution prevention requirements at the USASMDC.</p> <p>FY 1999 Accomplishments:</p> <ul style="list-style-type: none"> • 1170 Funded pollution prevention programs such as hazardous material satellite areas, recycling of metals, Halon reduction, pollution prevention, etc. <p>Total 1170</p> <p>FY 2000 Planned Program: Project funded in OMA.</p> <p>FY 2001 Planned Program: Project funded in OMA.</p>									

Project M5PP
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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE September 1998	
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605854A Pollution Prevention				PROJECT M8PP	
<i>COST (In Thousands)</i>	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M8PP Pollution Prevention - Acquisition Pollution Prevention	6906	0	0	0	0	0	0	0	0

Mission Description and Justification: Develop and implement the Army Acquisition Pollution Prevention program to reduce requirements for hazardous materials and toxic chemicals used throughout the weapon system life cycle. The program supports Army compliance with the Montreal Protocol, the Clean Air Act, the Pollution Prevention Act and Executive Order 12856 (and others). This program primarily funds test and evaluation of environmentally acceptable alternative materials and processes used in weapon system design, testing, production, maintenance, operation and support. Issues directly affecting operational readiness of weapon systems and supporting facilities take top priority. Support is also provided for the Joint Group for Acquisition Pollution Prevention.

FY 1999 Accomplishments:

- 128 Toxicological Assessment of Alternative New Materials
- 272 Program Management and Oversight
- 1545 Test and Evaluation related to Ammunition/Munition Production
- 1105 Test and Evaluation related to Aviation and Missile Production
- 132 Test and Evaluation related to Electronics Production and Support
- 500 Test and Evaluation related to Track and Wheeled System Production
- 679 Test and Evaluation related to Soldier Systems and Biological, Chemical Defense
- 485 Process Support to Research and Test Activities
- 2060 Joint Group for Pollution Prevention

Total 6906

FY 2000 Planned Program: Project funded in OMA PE 0408854

FY 2001 Planned Program: Project funded in 0605857A

Project M8PP
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